Date/Time:

Report ID: **CMS-BM-003**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1628

Firm Name: Fischbach And Moore Electric

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0110.002	CPM SCHEDULING	FP	1	$155,283.00	$155,283.00	$155,283.00	$155,283.00	$0.00	$0.00
0130.000	TEMPORARY FACILITIES	LS	1	$2,236,078.00	$2,236,078.00	$1,490,657.19	$1,490,657.19	($745,420.81)	($745,420.81)
0130.136	PARTNERING	AN	1	$11,092.00	$11,092.00	$11,092.00	$11,092.00	$0.00	$0.00
0130.429	TRAFFIC OFFICERS SERVICES	AN	1	$38,333.00	$38,333.00	$38,333.00	$38,333.00	$0.00	$0.00
0130.436	ELECTRIC COMPANY	AN	1	$27,729.00	$27,729.00	$27,729.00	$27,729.00	$0.00	$0.00
0170.000	GENERAL CONDITIONS	LS	1	$686,174.00	$686,174.00	$1,067,632.06	$1,067,632.06	$381,458.06	$381,458.06
0211.006	DEMOLITION - AREA 1	LS	1	$6,444.00	$6,444.00	$76,247.05	$76,247.05	$69,803.05	$69,803.05
0211.007	DEMOLITION - AREA 2	LS	1	$9,727.00	$9,727.00	$97,041.71	$97,041.71	$87,314.71	$87,314.71
0211.008	DEMOLITION - AREA 3	LS	1	$9,140.00	$9,140.00	$76,247.05	$76,247.05	$67,107.05	$67,107.05

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				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0211.009	DEMOLITION - AREA 4	LS	1	$22,416.00	$22,416.00	$145,562.56	$145,562.56	$123,146.56	$123,146.56
0212.834	AS-BUILT DRAWINGS → LOCATION A	LS	1	$14,142.00	$14,142.00	$2,888.15	$2,888.15	($11,253.85)	($11,253.85)
0212.836	AS-BUILT DRAWINGS → LOCATION B	LS	1	$14,142.00	$14,142.00	$2,888.15	$2,888.15	($11,253.85)	($11,253.85)
0212.837	AS-BUILT DRAWINGS → LOCATION C	LS	1	$14,142.00	$14,142.00	$2,888.15	$2,888.15	($11,253.85)	($11,253.85)
0212.838	AS-BUILT DRAWINGS → LOCATION D	LS	1	$14,142.00	$14,142.00	$2,888.15	$2,888.15	($11,253.85)	($11,253.85)
0220.097	SITE PREPARATION→ LOCATION A	LS	1	$12,589.00	$12,589.00	$7,278.13	$7,278.13	($5,310.87)	($5,310.87)
0220.101	SITE PREPARATION→ LOCATION C	LS	1	$63,844.00	$63,844.00	$18,484.13	$18,484.13	($45,359.87)	($45,359.87)
0220.104	SITE PREPARATION - LOCATION B	LS	1	$47,949.00	$47,949.00	$7,278.13	$7,278.13	($40,670.87)	($40,670.87)
0220.105	SITE PREPARATION→ LOCATION D	LS	1	$29,282.00	$29,282.00	$7,278.13	$7,278.13	($22,003.87)	($22,003.87)

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0221.331	DISPOSE OF ALLOWANCE QUALIFYING SOILS	AN	1	$151,910.00	$151,910.00	$151,910.00	$151,910.00	$0.00	$0.00
0222.132	STRUCTURE EXCAVATION - LOCATION NO. 1	CY	136	$34.58	$4,702.88	$456.33	$62,060.88	$421.75	$57,358.00
0222.133	STRUCTURE EXCAVATION - LOCATION NO. 2	CY	165	$34.62	$5,712.30	$456.33	$75,294.45	$421.71	$69,582.15
0222.134	STRUCTURE EXCAVATION - LOCATION NO. 3	CY	173	$30.13	$5,212.49	$456.33	$78,945.09	$426.20	$73,732.60
0262.300	CONCRETE CURB - STRAIGHT	LF	42	$26.14	$1,097.88	$346.58	$14,556.36	$320.44	$13,458.48
0310.040	CONCRETE CLEANING	LS	1	$25,744.00	$25,744.00	$11,552.58	$11,552.58	($14,191.42)	($14,191.42)
0329.951	CAST-IN-PLACE CONCRETE - LOCATION A	LS	1	$36,004.00	$36,004.00	$57,762.92	$57,762.92	$21,758.92	$21,758.92
0329.952	CAST-IN-PLACE CONCRETE - LOCATION B	LS	1	$40,773.00	$40,773.00	$58,918.18	$58,918.18	$18,145.18	$18,145.18
0329.953	CAST-IN-PLACE CONCRETE - LOCATION C	LS	1	$51,432.00	$51,432.00	$61,228.70	$61,228.70	$9,796.70	$9,796.70

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Firm Name: Stv Inc.

Bidder: 1628

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				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0329.954	CAST → IN-PLACE CONCRETE → LOCATION D	LS	1	$843.00	$843.00	$2,888.15	$2,888.15	$2,045.15	$2,045.15
0335.300	CUT AND PATCH CONCRETE SURFACES	LS	1	$14,253.00	$14,253.00	$83,178.61	$83,178.61	$68,925.61	$68,925.61
0420.003	UNIT MASONRY - LOCATION C	LS	1	$1,775.00	$1,775.00	$8,664.44	$8,664.44	$6,889.44	$6,889.44
0420.004	UNIT MASONRY → LOCATION D	LS	1	$12,412.00	$12,412.00	$7,509.18	$7,509.18	($4,902.82)	($4,902.82)
0510.350	STRUCTURAL STEEL	LB	11,271	$6.54	$73,712.34	$4.62	$52,072.02	($1.92)	($21,640.32)
0550.000	MISCELLANEOUS METALS	LS	1	$161,894.00	$161,894.00	$444,774.49	$444,774.49	$282,880.49	$282,880.49
0550.305	HATCHES	LS	1	$36,336.00	$36,336.00	$42,744.56	$42,744.56	$6,408.56	$6,408.56
0552.116	GRATING-LOCATION A	LS	1	$14,940.00	$14,940.00	$31,191.98	$31,191.98	$16,251.98	$16,251.98
0552.117	GRATING-LOCATION B	LS	1	$18,390.00	$18,390.00	$31,191.98	$31,191.98	$12,801.98	$12,801.98

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				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0552.118	GRATING-LOCATION C	LS	1	$24,080.00	$24,080.00	$31,191.98	$31,191.98	$7,111.98	$7,111.98
0746.005	ROOFING SYSTEM - TYPE A	LS	1	$110,229.00	$110,229.00	$83,178.61	$83,178.61	($27,050.39)	($27,050.39)
0760.011	SHEET METAL AND FLASHING	LS	1	$42,060.00	$42,060.00	$16,487.85	$16,487.85	($25,572.15)	($25,572.15)
0764.000	GRILLES & LOUVERS	LS	1	$74,026.00	$74,026.00	$323,472.35	$323,472.35	$249,446.35	$249,446.35
0790.000	CAULKING AND SEALANTS	LS	1	$26,509.00	$26,509.00	$21,949.91	$21,949.91	($4,559.09)	($4,559.09)
0810.000	METAL DOORS AND FRAMES	LS	1	$42,758.00	$42,758.00	$293,930.09	$293,930.09	$251,172.09	$251,172.09
0810.001	1 HOUR RATED DOOR AND FRAME	EA	1	$1,874.00	$1,874.00	$8,895.49	$8,895.49	$7,021.49	$7,021.49
0830.100	TOILET STALL DOORS	LS	1	$2,196.00	$2,196.00	$18,484.13	$18,484.13	$16,288.13	$16,288.13
0836.000	OVERHEAD DOORS	LS	1	$44,289.00	$44,289.00	$63,573.87	$63,573.87	$19,284.87	$19,284.87

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0865.990	METAL WALL PANELS	SF	2,115	$23.50	$49,702.50	$88.12	$186,373.80	$64.62	$136,671.30
0959.002	CONCRETE FLOOR REPAIRS	LS	1	$2,318.00	$2,318.00	$36,968.27	$36,968.27	$34,650.27	$34,650.27
0975.201	EPOXY FLOOR COVERING	LS	1	$220,502.00	$220,502.00	$55,452.40	$55,452.40	($165,049.60)	($165,049.60)
0975.210	DIELECTRIC EPOXY FLOOR TOPPING	LS	1	$44,899.00	$44,899.00	$296,728.12	$296,728.12	$251,829.12	$251,829.12
0990.051	PAINTING INTERIOR- LOCATION A	LS	1	$27,008.00	$27,008.00	$101,599.20	$101,599.20	$74,591.20	$74,591.20
0990.052	PAINTING INTERIOR- LOCATION B	LS	1	$27,596.00	$27,596.00	$101,986.21	$101,986.21	$74,390.21	$74,390.21
0990.053	PAINTING INTERIOR- LOCATION C	LS	1	$33,153.00	$33,153.00	$112,753.22	$112,753.22	$79,600.22	$79,600.22
0990.054	PAINTING INTERIOR- LOCATION D	LS	1	$28,106.00	$28,106.00	$119,800.30	$119,800.30	$91,694.30	$91,694.30
1430.000	HOISTS AND CRANES	LS	1	$94,301.00	$94,301.00	$51,986.63	$51,986.63	($42,314.37)	($42,314.37)

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Engineer: 2907

Firm Name: Stv Inc.

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				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1501.001	PLUMBING - LOCATION A	LS	1	$26,232.00	$26,232.00	$21,949.91	$21,949.91	($4,282.09)	($4,282.09)
1501.002	PLUMBING - LOCATION B	LS	1	$23,758.00	$23,758.00	$21,949.91	$21,949.91	($1,808.09)	($1,808.09)
1501.003	PLUMBING - LOCATION C	LS	1	$22,261.00	$22,261.00	$21,949.91	$21,949.91	($311.09)	($311.09)
1501.004	PLUMBING - LOCATION D	LS	1	$22,660.00	$22,660.00	$21,949.91	$21,949.91	($710.09)	($710.09)
1559.041	HVAC - LOCATION A	LS	1	$111,149.00	$111,149.00	$117,614.55	$117,614.55	$6,465.55	$6,465.55
1559.042	HVAC - LOCATION B	LS	1	$107,855.00	$107,855.00	$111,067.69	$111,067.69	$3,212.69	$3,212.69
1559.043	HVAC- LOCATION C	LS	1	$115,220.00	$115,220.00	$241,517.17	$241,517.17	$126,297.17	$126,297.17
1559.044	HVAC- LOCATION D	LS	1	$122,396.00	$122,396.00	$122,771.62	$122,771.62	$375.62	$375.62
1600.281	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION A	LS	1	$450,587.00	$450,587.00	$348,229.08	$348,229.08	($102,357.92)	($102,357.92)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1600.282	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION B	LS	1	$416,658.00	$416,658.00	$348,956.59	$348,956.59	($67,701.41)	($67,701.41)
1600.283	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION C	LS	1	$639,001.00	$639,001.00	$396,807.78	$396,807.78	($242,193.22)	($242,193.22)
1600.284	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION D	LS	1	$492,159.00	$492,159.00	$354,978.97	$354,978.97	($137,180.03)	($137,180.03)
1600.440	ELECTRICAL DEMOLITION	LS	1	$789,926.00	$789,926.00	$536,399.29	$536,399.29	($253,526.71)	($253,526.71)
1613.183	1/C→2000 KCMIL 2000V EPR XLPO CABLE	LF	1,340	$165.21	$221,381.40	$117.64	$157,637.60	($47.57)	($63,743.80)
1613.206	1/C, #4/0, 15 KV EPR CABLE	LF	1,530	$11.83	$18,099.90	$29.93	$45,792.90	$18.10	$27,693.00
1614.017	5" RIGID STEEL CONDUIT	LF	1,490	$100.99	$150,475.10	$164.03	$244,404.70	$63.04	$93,929.60
1614.018	4" CONDUIT	LF	370	$84.15	$31,135.50	$78.64	$29,096.80	($5.51)	($2,038.70)
1614.030	3/4" GRS EXPOSED CONDUIT	LF	11,880	$19.41	$230,590.80	$20.44	$242,827.20	$1.03	$12,236.40

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				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1614.040	1 - 1/2" GRS EXPOSED CONDUIT	LF	280	$28.20	$7,896.00	$91.46	$25,608.80	$63.26	$17,712.80
1620.046	DRY TYPE TRANSFORMER 45 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	3	$11,602.00	$34,806.00	$5,842.76	$17,528.28	($5,759.24)	($17,277.72)
1620.060	DRY TYPE TRANSFORMER 75 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	1	$16,748.00	$16,748.00	$8,303.58	$8,303.58	($8,444.42)	($8,444.42)
1623.002	ELECTRICAL AC UNIT SUBSTATION - LOCATION A	LS	1	$164,267.00	$164,267.00	$322,348.99	$322,348.99	$158,081.99	$158,081.99
1623.003	ELECTRICAL AC UNIT SUBSTATION - LOCATION B	LS	1	$164,267.00	$164,267.00	$322,348.99	$322,348.99	$158,081.99	$158,081.99
1623.004	ELECTRICAL AC UNIT SUBSTATION - LOCATION C	LS	1	$164,267.00	$164,267.00	$322,348.99	$322,348.99	$158,081.99	$158,081.99
1623.005	ELECTRICAL AC UNIT SUBSTATION - LOCATION D	LS	1	$164,267.00	$164,267.00	$322,348.99	$322,348.99	$158,081.99	$158,081.99
1623.014	NEW DC SWITCHGEAR INSTALLED - LOCATION A	LS	1	$1,123,529.00	$1,123,529.00	$619,244.15	$619,244.15	($504,284.85)	($504,284.85)
1623.015	DC SWITCHGEAR INSTALLED - LOCATION B	LS	1	$1,123,529.00	$1,123,529.00	$619,244.15	$619,244.15	($504,284.85)	($504,284.85)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1623.016	NEW DC SWITCHGEAR INSTALLED LOCATION C	LS	1	$1,797,347.00	$1,797,347.00	$1,176,408.61	$1,176,408.61	($620,938.39)	($620,938.39)
1623.017	NEW DC SWITCHGEAR INSTALLED - LOCATION D	LS	1	$1,140,211.00	$1,140,211.00	$761,760.87	$761,760.87	($378,450.13)	($378,450.13)
1623.025	MISC.NEW EQUIP.INSTAL,INCL. LOCAL CONT.PANELS, POS. AND NEG. BUSSES AND DIST.PANELS	LS	1	$130,615.00	$130,615.00	$367,811.51	$367,811.51	$237,196.51	$237,196.51
1623.026	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION A	LS	1	$1,174,651.00	$1,174,651.00	$836,476.50	$836,476.50	($338,174.50)	($338,174.50)
1623.027	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION B	LS	1	$1,159,877.00	$1,159,877.00	$836,476.50	$836,476.50	($323,400.50)	($323,400.50)
1623.028	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION C	LS	1	$1,267,832.00	$1,267,832.00	$907,547.36	$907,547.36	($360,284.64)	($360,284.64)
1623.029	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION D	LS	1	$1,197,466.00	$1,197,466.00	$840,682.86	$840,682.86	($356,783.14)	($356,783.14)
1625.145	NEW AC & DC BUS DUCTS INSTALLED - LOCATION A	LS	1	$561,083.00	$561,083.00	$411,583.25	$411,583.25	($149,499.75)	($149,499.75)
1625.146	NEW AC & DC BUS DUCTS INSTALLED - LOCATION B	LS	1	$561,083.00	$561,083.00	$423,123.13	$423,123.13	($137,959.87)	($137,959.87)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1625.147	NEW AC & DC BUS DUCTS INSTALLED - LOCATION C	LS	1	$841,624.00	$841,624.00	$629,350.19	$629,350.19	($212,273.81)	($212,273.81)
1625.148	NEW AC & DC BUS DUCTS INSTALLED - LOCATION D	LS	1	$548,205.00	$548,205.00	$339,809.86	$339,809.86	($208,395.14)	($208,395.14)
1625.220	ELECTRICAL DRAINAGE AT SUBSTATION A	LS	1	$180,960.00	$180,960.00	$159,448.81	$159,448.81	($21,511.19)	($21,511.19)
1625.230	ELECTRICAL DRAINAGE AT SUBSTATION B	LS	1	$180,960.00	$180,960.00	$159,448.81	$159,448.81	($21,511.19)	($21,511.19)
1625.240	ELECTRICAL DRAINAGE AT SUBSTATION C	LS	1	$285,599.00	$285,599.00	$180,644.55	$180,644.55	($104,954.45)	($104,954.45)
1625.250	ELECTRICAL DRAINAGE AT SUBSTATION D	LS	1	$182,014.00	$182,014.00	$159,448.81	$159,448.81	($22,565.19)	($22,565.19)
1633.152	600 VOLT D.C., LIGHTING PANELBOARD, 12 CIRCUITS, FUSED	EA	4	$3,604.75	$14,419.00	$8,958.46	$35,833.84	$5,353.71	$21,414.84
1633.210	277/480V AC PANELBOARD A1	EA	4	$15,450.75	$61,803.00	$10,553.80	$42,215.20	($4,896.95)	($19,587.80)
1633.222	120/208V AC PANELBOARD L1	EA	4	$4,739.00	$18,956.00	$26,319.32	$105,277.28	$21,580.32	$86,321.28

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1633.288	30 AMP 600 VOLT AC 3 POLE 3 WIRE SAFETY SWITCH - NEMA 12 ENCLSURE	EA	6	$1,179.33	$7,075.98	$651.89	$3,911.34	($527.44)	($3,164.64)
1633.290	30 AMP. 250 VOLT A.C. 3 POLE 4 WIRE SAFETY SWITCH IN NEMA 12 ENCLOSURE	EA	4	$377.00	$1,508.00	$557.16	$2,228.64	$180.16	$720.64
1633.291	100 AMP, 3POLE, 480 VOLT, SAFETY SWITCH IN NEMA 3 ENCLOSURE	EA	4	$1,586.00	$6,344.00	$948.68	$3,794.72	($637.32)	($2,549.28)
1633.292	30 AMP, 3POLE, 480 VOLT, SAFTEY SWITCH IN NEMA 3R ENCLOSURE	EA	4	$1,175.75	$4,703.00	$591.82	$2,367.28	($583.93)	($2,335.72)
1633.310	60 AMP 480V AC 3POLE 4WIRE SAFETY SWITCH-NEMA 12 ENCL.	EA	8	$987.13	$7,897.04	$761.01	$6,088.08	($226.12)	($1,808.96)
1640.000	LIGHTING FIXTURES	LS	1	$5,701.00	$5,701.00	$34,166.77	$34,166.77	$28,465.77	$28,465.77
1643.002	LIGHTING SYSTEM, LOCATION 1	LS	1	$26,387.00	$26,387.00	$49,580.89	$49,580.89	$23,193.89	$23,193.89
1643.003	LIGHTING SYSTEM, LOCATION 2	LS	1	$25,245.00	$25,245.00	$48,814.47	$48,814.47	$23,569.47	$23,569.47
1643.004	LIGHTING SYSTEM, LOCATION 3	LS	1	$28,494.00	$28,494.00	$52,296.92	$52,296.92	$23,802.92	$23,802.92

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1643.005	LIGHTING SYSTEM, LOCATION 4	LS	1	$28,849.00	$28,849.00	$52,909.93	$52,909.93	$24,060.93	$24,060.93
1645.000	GROUNDING SYSTEM - LOCATION A	LS	1	$6,045.00	$6,045.00	$23,874.25	$23,874.25	$17,829.25	$17,829.25
1645.001	GROUNDING SYSTEM - LOCATION B	LS	1	$6,045.00	$6,045.00	$22,810.19	$22,810.19	$16,765.19	$16,765.19
1645.002	GROUNDING SYSTEM - LOCATION C	LS	1	$11,447.00	$11,447.00	$27,654.09	$27,654.09	$16,207.09	$16,207.09
1645.003	GROUNDING SYSTEM - LOCATION D	LS	1	$6,078.00	$6,078.00	$22,810.19	$22,810.19	$16,732.19	$16,732.19
1656.151	FIRE ALARM SYSTEM, LOCATION 1	LS	1	$14,220.00	$14,220.00	$36,073.78	$36,073.78	$21,853.78	$21,853.78
1656.152	FIRE ALARM SYSTEM, LOCATION 2	LS	1	$4,559.00	$4,559.00	$11,683.83	$11,683.83	$7,124.83	$7,124.83
1656.153	FIRE ALARM SYSTEM, LOCATION 3	LS	1	$13,831.00	$13,831.00	$35,890.89	$35,890.89	$22,059.89	$22,059.89
1656.154	FIRE ALARM SYSTEM, LOCATION 4	LS	1	$15,085.00	$15,085.00	$35,320.29	$35,320.29	$20,235.29	$20,235.29

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1628

Firm Name: Fischbach And Moore Electric

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1662.015	SYSTEM TESTING - LOCATION A	LS	1	$90,275.00	$90,275.00	$344,458.78	$344,458.78	$254,183.78	$254,183.78
1662.016	SYSTEM TESTING - LOCATION B	LS	1	$85,628.00	$85,628.00	$344,458.78	$344,458.78	$258,830.78	$258,830.78
1662.017	SYSTEM TESTING - LOCATION C	LS	1	$124,936.00	$124,936.00	$423,064.87	$423,064.87	$298,128.87	$298,128.87
1662.018	SYSTEM TESTING - LOCATION D	LS	1	$291,356.00	$291,356.00	$344,458.78	$344,458.78	$53,102.78	$53,102.78
1671.015	WIRE AND INSTALL STARTERS, MOTORS AND OTHER MECHANICAL EQUIPMENT	LS	1	$55,192.00	$55,192.00	$38,123.53	$38,123.53	($17,068.47)	($17,068.47)
1674.101	DRY TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	2	$273,015.50	$546,031.00	$400,714.47	$801,428.94	$127,698.97	$255,397.94
1674.102	OIL TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	7	$270,131.00	$1,890,917.00	$244,832.37	$1,713,826.59	($25,298.63)	($177,090.41)
1674.120	3000 KW SILICON RECTIFIER	EA	9	$243,544.44	$2,191,899.96	$162,085.36	$1,458,768.24	($81,459.08)	($733,131.72)
1690.005	SUBSTATION AUTOMATION LOCATION A	LS	1	$396,194.00	$396,194.00	$193,110.68	$193,110.68	($203,083.32)	($203,083.32)

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract P42CN01

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1628

Firm Name: Fischbach And Moore Electric

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1690.006	SUBSTATION AUTOMATION LOCATION B	LS	1	$387,709.00	$387,709.00	$193,110.68	$193,110.68	($194,598.32)	($194,598.32)
1690.007	SUBSTATION AUTOMATION LOCATION C	LS	1	$470,497.00	$470,497.00	$212,296.06	$212,296.06	($258,200.94)	($258,200.94)
1690.008	SUBSTATION AUTOMATION LOCATION D	LS	1	$389,151.00	$389,151.00	$196,633.07	$196,633.07	($192,517.93)	($192,517.93)
1696.115	TRACTION POWER SWITCH ENCLOSURE - FURNISH & INSTALL	EA	32	$10,330.50	$330,576.00	$19,295.92	$617,469.44	$8,965.42	$286,893.44
6500.000	RISK ALLOWANCE	RA	1	$1,978,899.93	$1,978,899.93	$1,978,899.93	$1,978,899.93	$0.00	$0.00
	Total Estimate Contract Base Bid:				**$32,674,000.00**		**$30,109,912.10**		**($2,564,087.90)**
	Contract Total - Base Bid and Alternates:				**$32,674,000.00**		**$30,109,912.10**		**($2,564,087.90)**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 4202

Firm Name: Isolux Corsan, Llc.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0110.002	CPM SCHEDULING	FP	1	$155,283.00	$155,283.00	$155,283.00	$155,283.00	$0.00	$0.00
0130.000	TEMPORARY FACILITIES	LS	1	$2,236,078.00	$2,236,078.00	$408,400.28	$408,400.28	($1,827,677.72)	($1,827,677.72)
0130.136	PARTNERING	AN	1	$11,092.00	$11,092.00	$11,092.00	$11,092.00	$0.00	$0.00
0130.429	TRAFFIC OFFICERS SERVICES	AN	1	$38,333.00	$38,333.00	$38,333.00	$38,333.00	$0.00	$0.00
0130.436	ELECTRIC COMPANY	AN	1	$27,729.00	$27,729.00	$27,729.00	$27,729.00	$0.00	$0.00
0170.000	GENERAL CONDITIONS	LS	1	$686,174.00	$686,174.00	$1,080,685.42	$1,080,685.42	$394,511.42	$394,511.42
0211.006	DEMOLITION - AREA 1	LS	1	$6,444.00	$6,444.00	$83,616.93	$83,616.93	$77,172.93	$77,172.93
0211.007	DEMOLITION - AREA 2	LS	1	$9,727.00	$9,727.00	$106,421.54	$106,421.54	$96,694.54	$96,694.54
0211.008	DEMOLITION - AREA 3	LS	1	$9,140.00	$9,140.00	$83,616.93	$83,616.93	$74,476.93	$74,476.93

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0211.009	DEMOLITION - AREA 4	LS	1	$22,416.00	$22,416.00	$159,632.31	$159,632.31	$137,216.31	$137,216.31
0212.834	AS-BUILT DRAWINGS → LOCATION A	LS	1	$14,142.00	$14,142.00	$13,746.12	$13,746.12	($395.88)	($395.88)
0212.836	AS-BUILT DRAWINGS → LOCATION B	LS	1	$14,142.00	$14,142.00	$13,746.12	$13,746.12	($395.88)	($395.88)
0212.837	AS-BUILT DRAWINGS → LOCATION C	LS	1	$14,142.00	$14,142.00	$13,746.12	$13,746.12	($395.88)	($395.88)
0212.838	AS-BUILT DRAWINGS → LOCATION D	LS	1	$14,142.00	$14,142.00	$13,746.12	$13,746.12	($395.88)	($395.88)
0220.097	SITE PREPARATION→ LOCATION A	LS	1	$12,589.00	$12,589.00	$7,981.62	$7,981.62	($4,607.38)	($4,607.38)
0220.101	SITE PREPARATION→ LOCATION C	LS	1	$63,844.00	$63,844.00	$7,981.62	$7,981.62	($55,862.38)	($55,862.38)
0220.104	SITE PREPARATION - LOCATION B	LS	1	$47,949.00	$47,949.00	$20,270.77	$20,270.77	($27,678.23)	($27,678.23)
0220.105	SITE PREPARATION→ LOCATION D	LS	1	$29,282.00	$29,282.00	$7,981.62	$7,981.62	($21,300.38)	($21,300.38)

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0221.331	DISPOSE OF ALLOWANCE QUALIFYING SOILS	AN	1	$151,910.00	$151,910.00	$151,910.00	$151,910.00	$0.00	$0.00
0222.132	STRUCTURE EXCAVATION - LOCATION NO. 1	CY	136	$34.58	$4,702.88	$500.43	$68,058.48	$465.85	$63,355.60
0222.133	STRUCTURE EXCAVATION - LOCATION NO. 2	CY	165	$34.62	$5,712.30	$500.43	$82,570.95	$465.81	$76,858.65
0222.134	STRUCTURE EXCAVATION - LOCATION NO. 3	CY	173	$30.13	$5,212.49	$500.43	$86,574.39	$470.30	$81,361.90
0262.300	CONCRETE CURB - STRAIGHT	LF	42	$26.14	$1,097.88	$380.08	$15,963.36	$353.94	$14,865.48
0310.040	CONCRETE CLEANING	LS	1	$25,744.00	$25,744.00	$12,669.23	$12,669.23	($13,074.77)	($13,074.77)
0329.951	CAST-IN-PLACE CONCRETE - LOCATION A	LS	1	$36,004.00	$36,004.00	$63,346.16	$63,346.16	$27,342.16	$27,342.16
0329.952	CAST-IN-PLACE CONCRETE - LOCATION B	LS	1	$40,773.00	$40,773.00	$64,613.08	$64,613.08	$23,840.08	$23,840.08
0329.953	CAST-IN-PLACE CONCRETE - LOCATION C	LS	1	$51,432.00	$51,432.00	$67,146.93	$67,146.93	$15,714.93	$15,714.93

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0329.954	CAST→IN-PLACE CONCRETE→LOCATION D	LS	1	$843.00	$843.00	$80.00	$80.00	($763.00)	($763.00)
0335.300	CUT AND PATCH CONCRETE SURFACES	LS	1	$14,253.00	$14,253.00	$91,218.46	$91,218.46	$76,965.46	$76,965.46
0420.003	UNIT MASONRY - LOCATION C	LS	1	$1,775.00	$1,775.00	$25,338.46	$25,338.46	$23,563.46	$23,563.46
0420.004	UNIT MASONRY→LOCATION D	LS	1	$12,412.00	$12,412.00	$22,804.62	$22,804.62	$10,392.62	$10,392.62
0510.350	STRUCTURAL STEEL	LB	11,271	$6.54	$73,712.34	$5.07	$57,143.97	($1.47)	($16,568.37)
0550.000	MISCELLANEOUS METALS	LS	1	$161,894.00	$161,894.00	$487,765.40	$487,765.40	$325,871.40	$325,871.40
0550.305	HATCHES	LS	1	$36,336.00	$36,336.00	$46,876.16	$46,876.16	$10,540.16	$10,540.16
0552.116	GRATING-LOCATION A	LS	1	$14,940.00	$14,940.00	$34,206.92	$34,206.92	$19,266.92	$19,266.92
0552.117	GRATING-LOCATION B	LS	1	$18,390.00	$18,390.00	$34,206.92	$34,206.92	$15,816.92	$15,816.92

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0552.118	GRATING-LOCATION C	LS	1	$24,080.00	$24,080.00	$34,206.92	$34,206.92	$10,126.92	$10,126.92
0746.005	ROOFING SYSTEM - TYPE A	LS	1	$110,229.00	$110,229.00	$63,346.16	$63,346.16	($46,882.84)	($46,882.84)
0760.011	SHEET METAL AND FLASHING	LS	1	$42,060.00	$42,060.00	$19,003.85	$19,003.85	($23,056.15)	($23,056.15)
0764.000	GRILLES & LOUVERS	LS	1	$74,026.00	$74,026.00	$64,613.08	$64,613.08	($9,412.92)	($9,412.92)
0790.000	CAULKING AND SEALANTS	LS	1	$26,509.00	$26,509.00	$32,940.00	$32,940.00	$6,431.00	$6,431.00
0810.000	METAL DOORS AND FRAMES	LS	1	$42,758.00	$42,758.00	$107,688.47	$107,688.47	$64,930.47	$64,930.47
0810.001	1 HOUR RATED DOOR AND FRAME	EA	1	$1,874.00	$1,874.00	$9,755.31	$9,755.31	$7,881.31	$7,881.31
0830.100	TOILET STALL DOORS	LS	1	$2,196.00	$2,196.00	$20,270.77	$20,270.77	$18,074.77	$18,074.77
0836.000	OVERHEAD DOORS	LS	1	$44,289.00	$44,289.00	$88,684.62	$88,684.62	$44,395.62	$44,395.62

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0865.990	METAL WALL PANELS	SF	2,115	$23.50	$49,702.50	$171.03	$361,728.45	$147.53	$312,025.95
0959.002	CONCRETE FLOOR REPAIRS	LS	1	$2,318.00	$2,318.00	$40,541.54	$40,541.54	$38,223.54	$38,223.54
0975.201	EPOXY FLOOR COVERING	LS	1	$220,502.00	$220,502.00	$60,812.31	$60,812.31	($159,689.69)	($159,689.69)
0975.210	DIELECTRIC EPOXY FLOOR TOPPING	LS	1	$44,899.00	$44,899.00	$380,076.94	$380,076.94	$335,177.94	$335,177.94
0990.051	PAINTING INTERIOR- LOCATION A	LS	1	$27,008.00	$27,008.00	$116,556.93	$116,556.93	$89,548.93	$89,548.93
0990.052	PAINTING INTERIOR- LOCATION B	LS	1	$27,596.00	$27,596.00	$117,823.85	$117,823.85	$90,227.85	$90,227.85
0990.053	PAINTING INTERIOR- LOCATION C	LS	1	$33,153.00	$33,153.00	$130,493.08	$130,493.08	$97,340.08	$97,340.08
0990.054	PAINTING INTERIOR- LOCATION D	LS	1	$28,106.00	$28,106.00	$138,094.62	$138,094.62	$109,988.62	$109,988.62
1430.000	HOISTS AND CRANES	LS	1	$94,301.00	$94,301.00	$57,011.54	$57,011.54	($37,289.46)	($37,289.46)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1501.001	PLUMBING - LOCATION A	LS	1	$26,232.00	$26,232.00	$24,071.54	$24,071.54	($2,160.46)	($2,160.46)
1501.002	PLUMBING - LOCATION B	LS	1	$23,758.00	$23,758.00	$24,071.54	$24,071.54	$313.54	$313.54
1501.003	PLUMBING - LOCATION C	LS	1	$22,261.00	$22,261.00	$24,071.54	$24,071.54	$1,810.54	$1,810.54
1501.004	PLUMBING - LOCATION D	LS	1	$22,660.00	$22,660.00	$24,071.54	$24,071.54	$1,411.54	$1,411.54
1559.041	HVAC - LOCATION A	LS	1	$111,149.00	$111,149.00	$262,253.09	$262,253.09	$151,104.09	$151,104.09
1559.042	HVAC - LOCATION B	LS	1	$107,855.00	$107,855.00	$271,121.55	$271,121.55	$163,266.55	$163,266.55
1559.043	HVAC- LOCATION C	LS	1	$115,220.00	$115,220.00	$286,324.63	$286,324.63	$171,104.63	$171,104.63
1559.044	HVAC- LOCATION D	LS	1	$122,396.00	$122,396.00	$258,452.32	$258,452.32	$136,056.32	$136,056.32
1600.281	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION A	LS	1	$450,587.00	$450,587.00	$193,674.54	$193,674.54	($256,912.46)	($256,912.46)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1600.282	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION B	LS	1	$416,658.00	$416,658.00	$193,674.54	$193,674.54	($222,983.46)	($222,983.46)
1600.283	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION C	LS	1	$639,001.00	$639,001.00	$193,978.60	$193,978.60	($445,022.40)	($445,022.40)
1600.284	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION D	LS	1	$492,159.00	$492,159.00	$164,522.64	$164,522.64	($327,636.36)	($327,636.36)
1600.440	ELECTRICAL DEMOLITION	LS	1	$789,926.00	$789,926.00	$470,253.99	$470,253.99	($319,672.01)	($319,672.01)
1613.183	1/C→2000 KCMIL 2000V EPR XLPO CABLE	LF	1,340	$165.21	$221,381.40	$111.07	$148,833.80	($54.14)	($72,547.60)
1613.206	1/C, #4/0, 15 KV EPR CABLE	LF	1,530	$11.83	$18,099.90	$8.87	$13,571.10	($2.96)	($4,528.80)
1614.017	5" RIGID STEEL CONDUIT	LF	1,490	$100.99	$150,475.10	$202.71	$302,037.90	$101.72	$151,562.80
1614.018	4" CONDUIT	LF	370	$84.15	$31,135.50	$126.69	$46,875.30	$42.54	$15,739.80
1614.030	3/4" GRS EXPOSED CONDUIT	LF	11,880	$19.41	$230,590.80	$21.39	$254,113.20	$1.98	$23,522.40

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Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 4202

Firm Name: Isolux Corsan, Llc.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1614.040	1 - 1/2" GRS EXPOSED CONDUIT	LF	280	$28.20	$7,896.00	$49.59	$13,885.20	$21.39	$5,989.20
1620.046	DRY TYPE TRANSFORMER 45 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	3	$11,602.00	$34,806.00	$11,241.41	$33,724.23	($360.59)	($1,081.77)
1620.060	DRY TYPE TRANSFORMER 75 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	1	$16,748.00	$16,748.00	$13,007.50	$13,007.50	($3,740.50)	($3,740.50)
1623.002	ELECTRICAL AC UNIT SUBSTATION - LOCATION A	LS	1	$164,267.00	$164,267.00	$360,786.71	$360,786.71	$196,519.71	$196,519.71
1623.003	ELECTRICAL AC UNIT SUBSTATION - LOCATION B	LS	1	$164,267.00	$164,267.00	$360,785.44	$360,785.44	$196,518.44	$196,518.44
1623.004	ELECTRICAL AC UNIT SUBSTATION - LOCATION C	LS	1	$164,267.00	$164,267.00	$363,211.60	$363,211.60	$198,944.60	$198,944.60
1623.005	ELECTRICAL AC UNIT SUBSTATION - LOCATION D	LS	1	$164,267.00	$164,267.00	$363,211.60	$363,211.60	$198,944.60	$198,944.60
1623.014	NEW DC SWITCHGEAR INSTALLED - LOCATION A	LS	1	$1,123,529.00	$1,123,529.00	$748,366.85	$748,366.85	($375,162.15)	($375,162.15)
1623.015	DC SWITCHGEAR INSTALLED - LOCATION B	LS	1	$1,123,529.00	$1,123,529.00	$745,088.05	$745,088.05	($378,440.95)	($378,440.95)

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1623.016	NEW DC SWITCHGEAR INSTALLED LOCATION C	LS	1	$1,797,347.00	$1,797,347.00	$1,195,240.91	$1,195,240.91	($602,106.09)	($602,106.09)
1623.017	NEW DC SWITCHGEAR INSTALLED - LOCATION D	LS	1	$1,140,211.00	$1,140,211.00	$844,994.94	$844,994.94	($295,216.06)	($295,216.06)
1623.025	MISC.NEW EQUIP.INSTAL,INCL. LOCAL CONT.PANELS, POS. AND NEG. BUSSES AND DIST.PANELS	LS	1	$130,615.00	$130,615.00	$377,973.17	$377,973.17	$247,358.17	$247,358.17
1623.026	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION A	LS	1	$1,174,651.00	$1,174,651.00	$1,183,194.26	$1,183,194.26	$8,543.26	$8,543.26
1623.027	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION B	LS	1	$1,159,877.00	$1,159,877.00	$1,183,155.85	$1,183,155.85	$23,278.85	$23,278.85
1623.028	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION C	LS	1	$1,267,832.00	$1,267,832.00	$1,276,326.51	$1,276,326.51	$8,494.51	$8,494.51
1623.029	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION D	LS	1	$1,197,466.00	$1,197,466.00	$1,187,731.11	$1,187,731.11	($9,734.89)	($9,734.89)
1625.145	NEW AC & DC BUS DUCTS INSTALLED - LOCATION A	LS	1	$561,083.00	$561,083.00	$341,979.01	$341,979.01	($219,103.99)	($219,103.99)
1625.146	NEW AC & DC BUS DUCTS INSTALLED - LOCATION B	LS	1	$561,083.00	$561,083.00	$361,615.36	$361,615.36	($199,467.64)	($199,467.64)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1625.147	NEW AC & DC BUS DUCTS INSTALLED - LOCATION C	LS	1	$841,624.00	$841,624.00	$561,974.32	$561,974.32	($279,649.68)	($279,649.68)
1625.148	NEW AC & DC BUS DUCTS INSTALLED - LOCATION D	LS	1	$548,205.00	$548,205.00	$336,149.80	$336,149.80	($212,055.20)	($212,055.20)
1625.220	ELECTRICAL DRAINAGE AT SUBSTATION A	LS	1	$180,960.00	$180,960.00	$112,934.61	$112,934.61	($68,025.39)	($68,025.39)
1625.230	ELECTRICAL DRAINAGE AT SUBSTATION B	LS	1	$180,960.00	$180,960.00	$112,934.61	$112,934.61	($68,025.39)	($68,025.39)
1625.240	ELECTRICAL DRAINAGE AT SUBSTATION C	LS	1	$285,599.00	$285,599.00	$169,787.69	$169,787.69	($115,811.31)	($115,811.31)
1625.250	ELECTRICAL DRAINAGE AT SUBSTATION D	LS	1	$182,014.00	$182,014.00	$125,790.07	$125,790.07	($56,223.93)	($56,223.93)
1633.152	600 VOLT D.C., LIGHTING PANELBOARD, 12 CIRCUITS, FUSED	EA	4	$3,604.75	$14,419.00	$11,232.86	$44,931.44	$7,628.11	$30,512.44
1633.210	277/480V AC PANELBOARD A1	EA	4	$15,450.75	$61,803.00	$7,957.86	$31,831.44	($7,492.89)	($29,971.56)
1633.222	120/208V AC PANELBOARD L1	EA	4	$4,739.00	$18,956.00	$7,009.25	$28,037.00	$2,270.25	$9,081.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1633.288	30 AMP 600 VOLT AC 3 POLE 3 WIRE SAFETY SWITCH - NEMA 12 ENCLSURE	EA	6	$1,179.33	$7,075.98	$3,898.96	$23,393.76	$2,719.63	$16,317.78
1633.290	30 AMP. 250 VOLT A.C. 3 POLE 4 WIRE SAFETY SWITCH IN NEMA 12 ENCLOSURE	EA	4	$377.00	$1,508.00	$3,898.96	$15,595.84	$3,521.96	$14,087.84
1633.291	100 AMP, 3POLE, 480 VOLT, SAFETY SWITCH IN NEMA 3 ENCLOSURE	EA	4	$1,586.00	$6,344.00	$2,753.02	$11,012.08	$1,167.02	$4,668.08
1633.292	30 AMP, 3POLE, 480 VOLT, SAFTEY SWITCH IN NEMA 3R ENCLOSURE	EA	4	$1,175.75	$4,703.00	$1,976.40	$7,905.60	$800.65	$3,202.60
1633.310	60 AMP 480V AC 3POLE 4WIRE SAFETY SWITCH-NEMA 12 ENCL.	EA	8	$987.13	$7,897.04	$3,817.24	$30,537.92	$2,830.11	$22,640.88
1640.000	LIGHTING FIXTURES	LS	1	$5,701.00	$5,701.00	$79,822.49	$79,822.49	$74,121.49	$74,121.49
1643.002	LIGHTING SYSTEM, LOCATION 1	LS	1	$26,387.00	$26,387.00	$27,888.15	$27,888.15	$1,501.15	$1,501.15
1643.003	LIGHTING SYSTEM, LOCATION 2	LS	1	$25,245.00	$25,245.00	$27,835.88	$27,835.88	$2,590.88	$2,590.88
1643.004	LIGHTING SYSTEM, LOCATION 3	LS	1	$28,494.00	$28,494.00	$29,851.88	$29,851.88	$1,357.88	$1,357.88

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1643.005	LIGHTING SYSTEM, LOCATION 4	LS	1	$28,849.00	$28,849.00	$30,255.71	$30,255.71	$1,406.71	$1,406.71
1645.000	GROUNDING SYSTEM - LOCATION A	LS	1	$6,045.00	$6,045.00	$72,180.41	$72,180.41	$66,135.41	$66,135.41
1645.001	GROUNDING SYSTEM - LOCATION B	LS	1	$6,045.00	$6,045.00	$72,180.41	$72,180.41	$66,135.41	$66,135.41
1645.002	GROUNDING SYSTEM - LOCATION C	LS	1	$11,447.00	$11,447.00	$85,404.55	$85,404.55	$73,957.55	$73,957.55
1645.003	GROUNDING SYSTEM - LOCATION D	LS	1	$6,078.00	$6,078.00	$74,004.78	$74,004.78	$67,926.78	$67,926.78
1656.151	FIRE ALARM SYSTEM, LOCATION 1	LS	1	$14,220.00	$14,220.00	$63,162.45	$63,162.45	$48,942.45	$48,942.45
1656.152	FIRE ALARM SYSTEM, LOCATION 2	LS	1	$4,559.00	$4,559.00	$14,798.93	$14,798.93	$10,239.93	$10,239.93
1656.153	FIRE ALARM SYSTEM, LOCATION 3	LS	1	$13,831.00	$13,831.00	$63,187.79	$63,187.79	$49,356.79	$49,356.79
1656.154	FIRE ALARM SYSTEM, LOCATION 4	LS	1	$15,085.00	$15,085.00	$62,846.99	$62,846.99	$47,761.99	$47,761.99

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 4202

Firm Name: Isolux Corsan, Llc.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1662.015	SYSTEM TESTING - LOCATION A	LS	1	$90,275.00	$90,275.00	$238,135.43	$238,135.43	$147,860.43	$147,860.43
1662.016	SYSTEM TESTING - LOCATION B	LS	1	$85,628.00	$85,628.00	$238,135.43	$238,135.43	$152,507.43	$152,507.43
1662.017	SYSTEM TESTING - LOCATION C	LS	1	$124,936.00	$124,936.00	$255,575.97	$255,575.97	$130,639.97	$130,639.97
1662.018	SYSTEM TESTING - LOCATION D	LS	1	$291,356.00	$291,356.00	$238,236.78	$238,236.78	($53,119.22)	($53,119.22)
1671.015	WIRE AND INSTALL STARTERS, MOTORS AND OTHER MECHANICAL EQUIPMENT	LS	1	$55,192.00	$55,192.00	$146,044.56	$146,044.56	$90,852.56	$90,852.56
1674.101	DRY TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	2	$273,015.50	$546,031.00	$464,646.51	$929,293.02	$191,631.01	$383,262.02
1674.102	OIL TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	7	$270,131.00	$1,890,917.00	$290,134.83	$2,030,943.81	$20,003.83	$140,026.81
1674.120	3000 KW SILICON RECTIFIER	EA	9	$243,544.44	$2,191,899.96	$178,512.33	$1,606,610.97	($65,032.11)	($585,288.99)
1690.005	SUBSTATION AUTOMATION LOCATION A	LS	1	$396,194.00	$396,194.00	$252,202.48	$252,202.48	($143,991.52)	($143,991.52)

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 4202

Firm Name: Isolux Corsan, Llc.

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1690.006	SUBSTATION AUTOMATION LOCATION B	LS	1	$387,709.00	$387,709.00	$252,202.48	$252,202.48	($135,506.52)	($135,506.52)
1690.007	SUBSTATION AUTOMATION LOCATION C	LS	1	$470,497.00	$470,497.00	$252,709.25	$252,709.25	($217,787.75)	($217,787.75)
1690.008	SUBSTATION AUTOMATION LOCATION D	LS	1	$389,151.00	$389,151.00	$252,709.25	$252,709.25	($136,441.75)	($136,441.75)
1696.115	TRACTION POWER SWITCH ENCLOSURE - FURNISH & INSTALL	EA	32	$10,330.50	$330,576.00	$38,849.46	$1,243,182.72	$28,518.96	$912,606.72
6500.000	RISK ALLOWANCE	RA	1	$1,978,899.93	$1,978,899.93	$1,978,899.93	$1,978,899.93	$0.00	$0.00
	Total Estimate Contract Base Bid:				**$32,674,000.00**		**$31,851,522.79**		**($822,477.21)**
	Contract Total - Base Bid and Alternates:				**$32,674,000.00**		**$31,851,522.79**		**($822,477.21)**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1434

Firm Name: Dagle Electrical Construction Corp.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0110.002	CPM SCHEDULING	FP	1	$155,283.00	$155,283.00	$155,283.00	$155,283.00	$0.00	$0.00
0130.000	TEMPORARY FACILITIES	LS	1	$2,236,078.00	$2,236,078.00	$1,560,000.00	$1,560,000.00	($676,078.00)	($676,078.00)
0130.136	PARTNERING	AN	1	$11,092.00	$11,092.00	$11,092.00	$11,092.00	$0.00	$0.00
0130.429	TRAFFIC OFFICERS SERVICES	AN	1	$38,333.00	$38,333.00	$38,333.00	$38,333.00	$0.00	$0.00
0130.436	ELECTRIC COMPANY	AN	1	$27,729.00	$27,729.00	$27,729.00	$27,729.00	$0.00	$0.00
0170.000	GENERAL CONDITIONS	LS	1	$686,174.00	$686,174.00	$2,550,000.00	$2,550,000.00	$1,863,826.00	$1,863,826.00
0211.006	DEMOLITION - AREA 1	LS	1	$6,444.00	$6,444.00	$150,000.00	$150,000.00	$143,556.00	$143,556.00
0211.007	DEMOLITION - AREA 2	LS	1	$9,727.00	$9,727.00	$180,000.00	$180,000.00	$170,273.00	$170,273.00
0211.008	DEMOLITION - AREA 3	LS	1	$9,140.00	$9,140.00	$140,000.00	$140,000.00	$130,860.00	$130,860.00

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1434

Firm Name: Dagle Electrical Construction Corp.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0211.009	DEMOLITION - AREA 4	LS	1	$22,416.00	$22,416.00	$200,000.00	$200,000.00	$177,584.00	$177,584.00
0212.834	AS-BUILT DRAWINGS → LOCATION A	LS	1	$14,142.00	$14,142.00	$5,000.00	$5,000.00	($9,142.00)	($9,142.00)
0212.836	AS-BUILT DRAWINGS → LOCATION B	LS	1	$14,142.00	$14,142.00	$5,000.00	$5,000.00	($9,142.00)	($9,142.00)
0212.837	AS-BUILT DRAWINGS → LOCATION C	LS	1	$14,142.00	$14,142.00	$5,000.00	$5,000.00	($9,142.00)	($9,142.00)
0212.838	AS-BUILT DRAWINGS → LOCATION D	LS	1	$14,142.00	$14,142.00	$5,000.00	$5,000.00	($9,142.00)	($9,142.00)
0220.097	SITE PREPARATION→ LOCATION A	LS	1	$12,589.00	$12,589.00	$25,000.00	$25,000.00	$12,411.00	$12,411.00
0220.101	SITE PREPARATION→ LOCATION C	LS	1	$63,844.00	$63,844.00	$40,000.00	$40,000.00	($23,844.00)	($23,844.00)
0220.104	SITE PREPARATION - LOCATION B	LS	1	$47,949.00	$47,949.00	$25,000.00	$25,000.00	($22,949.00)	($22,949.00)
0220.105	SITE PREPARATION→ LOCATION D	LS	1	$29,282.00	$29,282.00	$25,000.00	$25,000.00	($4,282.00)	($4,282.00)

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0221.331	DISPOSE OF ALLOWANCE QUALIFYING SOILS	AN	1	$151,910.00	$151,910.00	$151,910.00	$151,910.00	$0.00	$0.00
0222.132	STRUCTURE EXCAVATION - LOCATION NO. 1	CY	136	$34.58	$4,702.88	$500.00	$68,000.00	$465.42	$63,297.12
0222.133	STRUCTURE EXCAVATION - LOCATION NO. 2	CY	165	$34.62	$5,712.30	$500.00	$82,500.00	$465.38	$76,787.70
0222.134	STRUCTURE EXCAVATION - LOCATION NO. 3	CY	173	$30.13	$5,212.49	$500.00	$86,500.00	$469.87	$81,287.51
0262.300	CONCRETE CURB - STRAIGHT	LF	42	$26.14	$1,097.88	$500.00	$21,000.00	$473.86	$19,902.12
0310.040	CONCRETE CLEANING	LS	1	$25,744.00	$25,744.00	$60,000.00	$60,000.00	$34,256.00	$34,256.00
0329.951	CAST-IN-PLACE CONCRETE - LOCATION A	LS	1	$36,004.00	$36,004.00	$80,000.00	$80,000.00	$43,996.00	$43,996.00
0329.952	CAST-IN-PLACE CONCRETE - LOCATION B	LS	1	$40,773.00	$40,773.00	$85,000.00	$85,000.00	$44,227.00	$44,227.00
0329.953	CAST-IN-PLACE CONCRETE - LOCATION C	LS	1	$51,432.00	$51,432.00	$90,000.00	$90,000.00	$38,568.00	$38,568.00

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0329.954	CAST → IN-PLACE CONCRETE → LOCATION D	LS	1	$843.00	$843.00	$30,000.00	$30,000.00	$29,157.00	$29,157.00
0335.300	CUT AND PATCH CONCRETE SURFACES	LS	1	$14,253.00	$14,253.00	$80,000.00	$80,000.00	$65,747.00	$65,747.00
0420.003	UNIT MASONRY - LOCATION C	LS	1	$1,775.00	$1,775.00	$40,000.00	$40,000.00	$38,225.00	$38,225.00
0420.004	UNIT MASONRY → LOCATION D	LS	1	$12,412.00	$12,412.00	$35,000.00	$35,000.00	$22,588.00	$22,588.00
0510.350	STRUCTURAL STEEL	LB	11,271	$6.54	$73,712.34	$5.00	$56,355.00	($1.54)	($17,357.34)
0550.000	MISCELLANEOUS METALS	LS	1	$161,894.00	$161,894.00	$480,000.00	$480,000.00	$318,106.00	$318,106.00
0550.305	HATCHES	LS	1	$36,336.00	$36,336.00	$80,000.00	$80,000.00	$43,664.00	$43,664.00
0552.116	GRATING-LOCATION A	LS	1	$14,940.00	$14,940.00	$48,000.00	$48,000.00	$33,060.00	$33,060.00
0552.117	GRATING-LOCATION B	LS	1	$18,390.00	$18,390.00	$48,000.00	$48,000.00	$29,610.00	$29,610.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0552.118	GRATING-LOCATION C	LS	1	$24,080.00	$24,080.00	$48,000.00	$48,000.00	$23,920.00	$23,920.00
0746.005	ROOFING SYSTEM - TYPE A	LS	1	$110,229.00	$110,229.00	$110,000.00	$110,000.00	($229.00)	($229.00)
0760.011	SHEET METAL AND FLASHING	LS	1	$42,060.00	$42,060.00	$30,000.00	$30,000.00	($12,060.00)	($12,060.00)
0764.000	GRILLES & LOUVERS	LS	1	$74,026.00	$74,026.00	$120,000.00	$120,000.00	$45,974.00	$45,974.00
0790.000	CAULKING AND SEALANTS	LS	1	$26,509.00	$26,509.00	$40,000.00	$40,000.00	$13,491.00	$13,491.00
0810.000	METAL DOORS AND FRAMES	LS	1	$42,758.00	$42,758.00	$92,000.00	$92,000.00	$49,242.00	$49,242.00
0810.001	1 HOUR RATED DOOR AND FRAME	EA	1	$1,874.00	$1,874.00	$10,000.00	$10,000.00	$8,126.00	$8,126.00
0830.100	TOILET STALL DOORS	LS	1	$2,196.00	$2,196.00	$24,000.00	$24,000.00	$21,804.00	$21,804.00
0836.000	OVERHEAD DOORS	LS	1	$44,289.00	$44,289.00	$80,000.00	$80,000.00	$35,711.00	$35,711.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0865.990	METAL WALL PANELS	SF	2,115	$23.50	$49,702.50	$125.00	$264,375.00	$101.50	$214,672.50
0959.002	CONCRETE FLOOR REPAIRS	LS	1	$2,318.00	$2,318.00	$40,000.00	$40,000.00	$37,682.00	$37,682.00
0975.201	EPOXY FLOOR COVERING	LS	1	$220,502.00	$220,502.00	$57,000.00	$57,000.00	($163,502.00)	($163,502.00)
0975.210	DIELECTRIC EPOXY FLOOR TOPPING	LS	1	$44,899.00	$44,899.00	$400,000.00	$400,000.00	$355,101.00	$355,101.00
0990.051	PAINTING INTERIOR- LOCATION A	LS	1	$27,008.00	$27,008.00	$105,000.00	$105,000.00	$77,992.00	$77,992.00
0990.052	PAINTING INTERIOR- LOCATION B	LS	1	$27,596.00	$27,596.00	$110,000.00	$110,000.00	$82,404.00	$82,404.00
0990.053	PAINTING INTERIOR- LOCATION C	LS	1	$33,153.00	$33,153.00	$120,000.00	$120,000.00	$86,847.00	$86,847.00
0990.054	PAINTING INTERIOR- LOCATION D	LS	1	$28,106.00	$28,106.00	$140,000.00	$140,000.00	$111,894.00	$111,894.00
1430.000	HOISTS AND CRANES	LS	1	$94,301.00	$94,301.00	$80,000.00	$80,000.00	($14,301.00)	($14,301.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1501.001	PLUMBING - LOCATION A	LS	1	$26,232.00	$26,232.00	$55,000.00	$55,000.00	$28,768.00	$28,768.00
1501.002	PLUMBING - LOCATION B	LS	1	$23,758.00	$23,758.00	$55,000.00	$55,000.00	$31,242.00	$31,242.00
1501.003	PLUMBING - LOCATION C	LS	1	$22,261.00	$22,261.00	$60,000.00	$60,000.00	$37,739.00	$37,739.00
1501.004	PLUMBING - LOCATION D	LS	1	$22,660.00	$22,660.00	$55,000.00	$55,000.00	$32,340.00	$32,340.00
1559.041	HVAC - LOCATION A	LS	1	$111,149.00	$111,149.00	$210,000.00	$210,000.00	$98,851.00	$98,851.00
1559.042	HVAC - LOCATION B	LS	1	$107,855.00	$107,855.00	$220,000.00	$220,000.00	$112,145.00	$112,145.00
1559.043	HVAC- LOCATION C	LS	1	$115,220.00	$115,220.00	$235,000.00	$235,000.00	$119,780.00	$119,780.00
1559.044	HVAC- LOCATION D	LS	1	$122,396.00	$122,396.00	$215,000.00	$215,000.00	$92,604.00	$92,604.00
1600.281	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION A	LS	1	$450,587.00	$450,587.00	$300,000.00	$300,000.00	($150,587.00)	($150,587.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1600.282	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION B	LS	1	$416,658.00	$416,658.00	$300,000.00	$300,000.00	($116,658.00)	($116,658.00)
1600.283	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION C	LS	1	$639,001.00	$639,001.00	$300,000.00	$300,000.00	($339,001.00)	($339,001.00)
1600.284	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION D	LS	1	$492,159.00	$492,159.00	$300,000.00	$300,000.00	($192,159.00)	($192,159.00)
1600.440	ELECTRICAL DEMOLITION	LS	1	$789,926.00	$789,926.00	$500,000.00	$500,000.00	($289,926.00)	($289,926.00)
1613.183	1/C→2000 KCMIL 2000V EPR XLPO CABLE	LF	1,340	$165.21	$221,381.40	$90.00	$120,600.00	($75.21)	($100,781.40)
1613.206	1/C, #4/0, 15 KV EPR CABLE	LF	1,530	$11.83	$18,099.90	$15.00	$22,950.00	$3.17	$4,850.10
1614.017	5" RIGID STEEL CONDUIT	LF	1,490	$100.99	$150,475.10	$80.00	$119,200.00	($20.99)	($31,275.10)
1614.018	4" CONDUIT	LF	370	$84.15	$31,135.50	$70.00	$25,900.00	($14.15)	($5,235.50)
1614.030	3/4" GRS EXPOSED CONDUIT	LF	11,880	$19.41	$230,590.80	$12.00	$142,560.00	($7.41)	($88,030.80)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1614.040	1 - 1/2" GRS EXPOSED CONDUIT	LF	280	$28.20	$7,896.00	$30.00	$8,400.00	$1.80	$504.00
1620.046	DRY TYPE TRANSFORMER 45 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	3	$11,602.00	$34,806.00	$30,000.00	$90,000.00	$18,398.00	$55,194.00
1620.060	DRY TYPE TRANSFORMER 75 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	1	$16,748.00	$16,748.00	$10,000.00	$10,000.00	($6,748.00)	($6,748.00)
1623.002	ELECTRICAL AC UNIT SUBSTATION - LOCATION A	LS	1	$164,267.00	$164,267.00	$500,000.00	$500,000.00	$335,733.00	$335,733.00
1623.003	ELECTRICAL AC UNIT SUBSTATION - LOCATION B	LS	1	$164,267.00	$164,267.00	$500,000.00	$500,000.00	$335,733.00	$335,733.00
1623.004	ELECTRICAL AC UNIT SUBSTATION - LOCATION C	LS	1	$164,267.00	$164,267.00	$500,000.00	$500,000.00	$335,733.00	$335,733.00
1623.005	ELECTRICAL AC UNIT SUBSTATION - LOCATION D	LS	1	$164,267.00	$164,267.00	$500,000.00	$500,000.00	$335,733.00	$335,733.00
1623.014	NEW DC SWITCHGEAR INSTALLED - LOCATION A	LS	1	$1,123,529.00	$1,123,529.00	$800,000.00	$800,000.00	($323,529.00)	($323,529.00)
1623.015	DC SWITCHGEAR INSTALLED - LOCATION B	LS	1	$1,123,529.00	$1,123,529.00	$800,000.00	$800,000.00	($323,529.00)	($323,529.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1623.016	NEW DC SWITCHGEAR INSTALLED LOCATION C	LS	1	$1,797,347.00	$1,797,347.00	$1,200,000.00	$1,200,000.00	($597,347.00)	($597,347.00)
1623.017	NEW DC SWITCHGEAR INSTALLED - LOCATION D	LS	1	$1,140,211.00	$1,140,211.00	$900,000.00	$900,000.00	($240,211.00)	($240,211.00)
1623.025	MISC.NEW EQUIP.INSTAL,INCL. LOCAL CONT.PANELS, POS. AND NEG. BUSSES AND DIST.PANELS	LS	1	$130,615.00	$130,615.00	$800,000.00	$800,000.00	$669,385.00	$669,385.00
1623.026	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION A	LS	1	$1,174,651.00	$1,174,651.00	$900,000.00	$900,000.00	($274,651.00)	($274,651.00)
1623.027	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION B	LS	1	$1,159,877.00	$1,159,877.00	$900,000.00	$900,000.00	($259,877.00)	($259,877.00)
1623.028	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION C	LS	1	$1,267,832.00	$1,267,832.00	$1,000,000.00	$1,000,000.00	($267,832.00)	($267,832.00)
1623.029	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION D	LS	1	$1,197,466.00	$1,197,466.00	$900,000.00	$900,000.00	($297,466.00)	($297,466.00)
1625.145	NEW AC & DC BUS DUCTS INSTALLED - LOCATION A	LS	1	$561,083.00	$561,083.00	$400,000.00	$400,000.00	($161,083.00)	($161,083.00)
1625.146	NEW AC & DC BUS DUCTS INSTALLED - LOCATION B	LS	1	$561,083.00	$561,083.00	$410,000.00	$410,000.00	($151,083.00)	($151,083.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1625.147	NEW AC & DC BUS DUCTS INSTALLED - LOCATION C	LS	1	$841,624.00	$841,624.00	$600,000.00	$600,000.00	($241,624.00)	($241,624.00)
1625.148	NEW AC & DC BUS DUCTS INSTALLED - LOCATION D	LS	1	$548,205.00	$548,205.00	$400,000.00	$400,000.00	($148,205.00)	($148,205.00)
1625.220	ELECTRICAL DRAINAGE AT SUBSTATION A	LS	1	$180,960.00	$180,960.00	$175,000.00	$175,000.00	($5,960.00)	($5,960.00)
1625.230	ELECTRICAL DRAINAGE AT SUBSTATION B	LS	1	$180,960.00	$180,960.00	$175,000.00	$175,000.00	($5,960.00)	($5,960.00)
1625.240	ELECTRICAL DRAINAGE AT SUBSTATION C	LS	1	$285,599.00	$285,599.00	$250,000.00	$250,000.00	($35,599.00)	($35,599.00)
1625.250	ELECTRICAL DRAINAGE AT SUBSTATION D	LS	1	$182,014.00	$182,014.00	$240,000.00	$240,000.00	$57,986.00	$57,986.00
1633.152	600 VOLT D.C., LIGHTING PANELBOARD, 12 CIRCUITS, FUSED	EA	4	$3,604.75	$14,419.00	$10,000.00	$40,000.00	$6,395.25	$25,581.00
1633.210	277/480V AC PANELBOARD A1	EA	4	$15,450.75	$61,803.00	$10,000.00	$40,000.00	($5,450.75)	($21,803.00)
1633.222	120/208V AC PANELBOARD L1	EA	4	$4,739.00	$18,956.00	$5,000.00	$20,000.00	$261.00	$1,044.00

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1633.288	30 AMP 600 VOLT AC 3 POLE 3 WIRE SAFETY SWITCH - NEMA 12 ENCLSURE	EA	6	$1,179.33	$7,075.98	$1,000.00	$6,000.00	($179.33)	($1,075.98)
1633.290	30 AMP. 250 VOLT A.C. 3 POLE 4 WIRE SAFETY SWITCH IN NEMA 12 ENCLOSURE	EA	4	$377.00	$1,508.00	$1,000.00	$4,000.00	$623.00	$2,492.00
1633.291	100 AMP, 3POLE, 480 VOLT, SAFETY SWITCH IN NEMA 3 ENCLOSURE	EA	4	$1,586.00	$6,344.00	$3,000.00	$12,000.00	$1,414.00	$5,656.00
1633.292	30 AMP, 3POLE, 480 VOLT, SAFTEY SWITCH IN NEMA 3R ENCLOSURE	EA	4	$1,175.75	$4,703.00	$2,000.00	$8,000.00	$824.25	$3,297.00
1633.310	60 AMP 480V AC 3POLE 4WIRE SAFETY SWITCH-NEMA 12 ENCL.	EA	8	$987.13	$7,897.04	$2,000.00	$16,000.00	$1,012.87	$8,102.96
1640.000	LIGHTING FIXTURES	LS	1	$5,701.00	$5,701.00	$50,000.00	$50,000.00	$44,299.00	$44,299.00
1643.002	LIGHTING SYSTEM, LOCATION 1	LS	1	$26,387.00	$26,387.00	$30,000.00	$30,000.00	$3,613.00	$3,613.00
1643.003	LIGHTING SYSTEM, LOCATION 2	LS	1	$25,245.00	$25,245.00	$30,000.00	$30,000.00	$4,755.00	$4,755.00
1643.004	LIGHTING SYSTEM, LOCATION 3	LS	1	$28,494.00	$28,494.00	$30,000.00	$30,000.00	$1,506.00	$1,506.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1643.005	LIGHTING SYSTEM, LOCATION 4	LS	1	$28,849.00	$28,849.00	$30,000.00	$30,000.00	$1,151.00	$1,151.00
1645.000	GROUNDING SYSTEM - LOCATION A	LS	1	$6,045.00	$6,045.00	$20,000.00	$20,000.00	$13,955.00	$13,955.00
1645.001	GROUNDING SYSTEM - LOCATION B	LS	1	$6,045.00	$6,045.00	$20,000.00	$20,000.00	$13,955.00	$13,955.00
1645.002	GROUNDING SYSTEM - LOCATION C	LS	1	$11,447.00	$11,447.00	$20,000.00	$20,000.00	$8,553.00	$8,553.00
1645.003	GROUNDING SYSTEM - LOCATION D	LS	1	$6,078.00	$6,078.00	$20,000.00	$20,000.00	$13,922.00	$13,922.00
1656.151	FIRE ALARM SYSTEM, LOCATION 1	LS	1	$14,220.00	$14,220.00	$40,000.00	$40,000.00	$25,780.00	$25,780.00
1656.152	FIRE ALARM SYSTEM, LOCATION 2	LS	1	$4,559.00	$4,559.00	$40,000.00	$40,000.00	$35,441.00	$35,441.00
1656.153	FIRE ALARM SYSTEM, LOCATION 3	LS	1	$13,831.00	$13,831.00	$40,000.00	$40,000.00	$26,169.00	$26,169.00
1656.154	FIRE ALARM SYSTEM, LOCATION 4	LS	1	$15,085.00	$15,085.00	$40,000.00	$40,000.00	$24,915.00	$24,915.00

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1434

Firm Name: Dagle Electrical Construction Corp.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1662.015	SYSTEM TESTING - LOCATION A	LS	1	$90,275.00	$90,275.00	$300,000.00	$300,000.00	$209,725.00	$209,725.00
1662.016	SYSTEM TESTING - LOCATION B	LS	1	$85,628.00	$85,628.00	$300,000.00	$300,000.00	$214,372.00	$214,372.00
1662.017	SYSTEM TESTING - LOCATION C	LS	1	$124,936.00	$124,936.00	$300,000.00	$300,000.00	$175,064.00	$175,064.00
1662.018	SYSTEM TESTING - LOCATION D	LS	1	$291,356.00	$291,356.00	$300,000.00	$300,000.00	$8,644.00	$8,644.00
1671.015	WIRE AND INSTALL STARTERS, MOTORS AND OTHER MECHANICAL EQUIPMENT	LS	1	$55,192.00	$55,192.00	$100,000.00	$100,000.00	$44,808.00	$44,808.00
1674.101	DRY TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	2	$273,015.50	$546,031.00	$1,000,000.00	$2,000,000.00	$726,984.50	$1,453,969.00
1674.102	OIL TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	7	$270,131.00	$1,890,917.00	$300,000.00	$2,100,000.00	$29,869.00	$209,083.00
1674.120	3000 KW SILICON RECTIFIER	EA	9	$243,544.44	$2,191,899.96	$150,000.00	$1,350,000.00	($93,544.44)	($841,899.96)
1690.005	SUBSTATION AUTOMATION LOCATION A	LS	1	$396,194.00	$396,194.00	$400,000.00	$400,000.00	$3,806.00	$3,806.00

Massachusetts Bay Transportation Authority

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Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1434

Firm Name: Dagle Electrical Construction Corp.

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1690.006	SUBSTATION AUTOMATION LOCATION B	LS	1	$387,709.00	$387,709.00	$400,000.00	$400,000.00	$12,291.00	$12,291.00
1690.007	SUBSTATION AUTOMATION LOCATION C	LS	1	$470,497.00	$470,497.00	$400,000.00	$400,000.00	($70,497.00)	($70,497.00)
1690.008	SUBSTATION AUTOMATION LOCATION D	LS	1	$389,151.00	$389,151.00	$400,000.00	$400,000.00	$10,849.00	$10,849.00
1696.115	TRACTION POWER SWITCH ENCLOSURE - FURNISH & INSTALL	EA	32	$10,330.50	$330,576.00	$25,000.00	$800,000.00	$14,669.50	$469,424.00
6500.000	RISK ALLOWANCE	RA	1	$1,978,899.93	$1,978,899.93	$1,978,899.93	$1,978,899.93	$0.00	$0.00
	Total Estimate Contract Base Bid:				**$32,674,000.00**		**$36,519,586.93**		**$3,845,586.93**
	Contract Total - Base Bid and Alternates:				**$32,674,000.00**		**$36,519,586.93**		**$3,845,586.93**

Massachusetts Bay Transportation Authority

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Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0110.002	CPM SCHEDULING	FP	1	$155,283.00	$155,283.00	$155,283.00	$155,283.00	$0.00	$0.00
0130.000	TEMPORARY FACILITIES	LS	1	$2,236,078.00	$2,236,078.00	$2,500,000.00	$2,500,000.00	$263,922.00	$263,922.00
0130.136	PARTNERING	AN	1	$11,092.00	$11,092.00	$11,092.00	$11,092.00	$0.00	$0.00
0130.429	TRAFFIC OFFICERS SERVICES	AN	1	$38,333.00	$38,333.00	$38,333.00	$38,333.00	$0.00	$0.00
0130.436	ELECTRIC COMPANY	AN	1	$27,729.00	$27,729.00	$27,729.00	$27,729.00	$0.00	$0.00
0170.000	GENERAL CONDITIONS	LS	1	$686,174.00	$686,174.00	$410,000.00	$410,000.00	($276,174.00)	($276,174.00)
0211.006	DEMOLITION - AREA 1	LS	1	$6,444.00	$6,444.00	$114,000.00	$114,000.00	$107,556.00	$107,556.00
0211.007	DEMOLITION - AREA 2	LS	1	$9,727.00	$9,727.00	$131,000.00	$131,000.00	$121,273.00	$121,273.00
0211.008	DEMOLITION - AREA 3	LS	1	$9,140.00	$9,140.00	$206,000.00	$206,000.00	$196,860.00	$196,860.00

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Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0211.009	DEMOLITION - AREA 4	LS	1	$22,416.00	$22,416.00	$156,000.00	$156,000.00	$133,584.00	$133,584.00
0212.834	AS-BUILT DRAWINGS → LOCATION A	LS	1	$14,142.00	$14,142.00	$11,000.00	$11,000.00	($3,142.00)	($3,142.00)
0212.836	AS-BUILT DRAWINGS → LOCATION B	LS	1	$14,142.00	$14,142.00	$11,000.00	$11,000.00	($3,142.00)	($3,142.00)
0212.837	AS-BUILT DRAWINGS → LOCATION C	LS	1	$14,142.00	$14,142.00	$11,000.00	$11,000.00	($3,142.00)	($3,142.00)
0212.838	AS-BUILT DRAWINGS → LOCATION D	LS	1	$14,142.00	$14,142.00	$11,000.00	$11,000.00	($3,142.00)	($3,142.00)
0220.097	SITE PREPARATION→ LOCATION A	LS	1	$12,589.00	$12,589.00	$134,000.00	$134,000.00	$121,411.00	$121,411.00
0220.101	SITE PREPARATION→ LOCATION C	LS	1	$63,844.00	$63,844.00	$137,000.00	$137,000.00	$73,156.00	$73,156.00
0220.104	SITE PREPARATION - LOCATION B	LS	1	$47,949.00	$47,949.00	$207,000.00	$207,000.00	$159,051.00	$159,051.00
0220.105	SITE PREPARATION→ LOCATION D	LS	1	$29,282.00	$29,282.00	$90,000.00	$90,000.00	$60,718.00	$60,718.00

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
0221.331	DISPOSE OF ALLOWANCE QUALIFYING SOILS	AN	1	$151,910.00	$151,910.00	$151,910.00	$151,910.00	$0.00	$0.00
0222.132	STRUCTURE EXCAVATION - LOCATION NO. 1	CY	136	$34.58	$4,702.88	$826.00	$112,336.00	$791.42	$107,633.12
0222.133	STRUCTURE EXCAVATION - LOCATION NO. 2	CY	165	$34.62	$5,712.30	$730.00	$120,450.00	$695.38	$114,737.70
0222.134	STRUCTURE EXCAVATION - LOCATION NO. 3	CY	173	$30.13	$5,212.49	$730.00	$126,290.00	$699.87	$121,077.51
0262.300	CONCRETE CURB - STRAIGHT	LF	42	$26.14	$1,097.88	$727.00	$30,534.00	$700.86	$29,436.12
0310.040	CONCRETE CLEANING	LS	1	$25,744.00	$25,744.00	$177,000.00	$177,000.00	$151,256.00	$151,256.00
0329.951	CAST-IN-PLACE CONCRETE - LOCATION A	LS	1	$36,004.00	$36,004.00	$268,000.00	$268,000.00	$231,996.00	$231,996.00
0329.952	CAST-IN-PLACE CONCRETE - LOCATION B	LS	1	$40,773.00	$40,773.00	$296,000.00	$296,000.00	$255,227.00	$255,227.00
0329.953	CAST-IN-PLACE CONCRETE - LOCATION C	LS	1	$51,432.00	$51,432.00	$340,000.00	$340,000.00	$288,568.00	$288,568.00

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ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0329.954	CAST → IN-PLACE CONCRETE → LOCATION D	LS	1	$843.00	$843.00	$455,000.00	$455,000.00	$454,157.00	$454,157.00
0335.300	CUT AND PATCH CONCRETE SURFACES	LS	1	$14,253.00	$14,253.00	$150,000.00	$150,000.00	$135,747.00	$135,747.00
0420.003	UNIT MASONRY - LOCATION C	LS	1	$1,775.00	$1,775.00	$24,000.00	$24,000.00	$22,225.00	$22,225.00
0420.004	UNIT MASONRY → LOCATION D	LS	1	$12,412.00	$12,412.00	$29,000.00	$29,000.00	$16,588.00	$16,588.00
0510.350	STRUCTURAL STEEL	LB	11,271	$6.54	$73,712.34	$22.00	$247,962.00	$15.46	$174,249.66
0550.000	MISCELLANEOUS METALS	LS	1	$161,894.00	$161,894.00	$105,000.00	$105,000.00	($56,894.00)	($56,894.00)
0550.305	HATCHES	LS	1	$36,336.00	$36,336.00	$77,000.00	$77,000.00	$40,664.00	$40,664.00
0552.116	GRATING-LOCATION A	LS	1	$14,940.00	$14,940.00	$60,000.00	$60,000.00	$45,060.00	$45,060.00
0552.117	GRATING-LOCATION B	LS	1	$18,390.00	$18,390.00	$77,000.00	$77,000.00	$58,610.00	$58,610.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0552.118	GRATING-LOCATION C	LS	1	$24,080.00	$24,080.00	$83,000.00	$83,000.00	$58,920.00	$58,920.00
0746.005	ROOFING SYSTEM - TYPE A	LS	1	$110,229.00	$110,229.00	$158,000.00	$158,000.00	$47,771.00	$47,771.00
0760.011	SHEET METAL AND FLASHING	LS	1	$42,060.00	$42,060.00	$21,000.00	$21,000.00	($21,060.00)	($21,060.00)
0764.000	GRILLES & LOUVERS	LS	1	$74,026.00	$74,026.00	$250,000.00	$250,000.00	$175,974.00	$175,974.00
0790.000	CAULKING AND SEALANTS	LS	1	$26,509.00	$26,509.00	$54,000.00	$54,000.00	$27,491.00	$27,491.00
0810.000	METAL DOORS AND FRAMES	LS	1	$42,758.00	$42,758.00	$333,000.00	$333,000.00	$290,242.00	$290,242.00
0810.001	1 HOUR RATED DOOR AND FRAME	EA	1	$1,874.00	$1,874.00	$25,000.00	$25,000.00	$23,126.00	$23,126.00
0830.100	TOILET STALL DOORS	LS	1	$2,196.00	$2,196.00	$25,000.00	$25,000.00	$22,804.00	$22,804.00
0836.000	OVERHEAD DOORS	LS	1	$44,289.00	$44,289.00	$160,000.00	$160,000.00	$115,711.00	$115,711.00

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
0865.990	METAL WALL PANELS	SF	2,115	$23.50	$49,702.50	$390.00	$824,850.00	$366.50	$775,147.50
0959.002	CONCRETE FLOOR REPAIRS	LS	1	$2,318.00	$2,318.00	$165,000.00	$165,000.00	$162,682.00	$162,682.00
0975.201	EPOXY FLOOR COVERING	LS	1	$220,502.00	$220,502.00	$165,000.00	$165,000.00	($55,502.00)	($55,502.00)
0975.210	DIELECTRIC EPOXY FLOOR TOPPING	LS	1	$44,899.00	$44,899.00	$460,000.00	$460,000.00	$415,101.00	$415,101.00
0990.051	PAINTING INTERIOR- LOCATION A	LS	1	$27,008.00	$27,008.00	$98,000.00	$98,000.00	$70,992.00	$70,992.00
0990.052	PAINTING INTERIOR- LOCATION B	LS	1	$27,596.00	$27,596.00	$98,000.00	$98,000.00	$70,404.00	$70,404.00
0990.053	PAINTING INTERIOR- LOCATION C	LS	1	$33,153.00	$33,153.00	$115,000.00	$115,000.00	$81,847.00	$81,847.00
0990.054	PAINTING INTERIOR- LOCATION D	LS	1	$28,106.00	$28,106.00	$117,000.00	$117,000.00	$88,894.00	$88,894.00
1430.000	HOISTS AND CRANES	LS	1	$94,301.00	$94,301.00	$105,000.00	$105,000.00	$10,699.00	$10,699.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1501.001	PLUMBING - LOCATION A	LS	1	$26,232.00	$26,232.00	$44,000.00	$44,000.00	$17,768.00	$17,768.00
1501.002	PLUMBING - LOCATION B	LS	1	$23,758.00	$23,758.00	$44,000.00	$44,000.00	$20,242.00	$20,242.00
1501.003	PLUMBING - LOCATION C	LS	1	$22,261.00	$22,261.00	$44,000.00	$44,000.00	$21,739.00	$21,739.00
1501.004	PLUMBING - LOCATION D	LS	1	$22,660.00	$22,660.00	$44,000.00	$44,000.00	$21,340.00	$21,340.00
1559.041	HVAC - LOCATION A	LS	1	$111,149.00	$111,149.00	$195,000.00	$195,000.00	$83,851.00	$83,851.00
1559.042	HVAC - LOCATION B	LS	1	$107,855.00	$107,855.00	$195,000.00	$195,000.00	$87,145.00	$87,145.00
1559.043	HVAC- LOCATION C	LS	1	$115,220.00	$115,220.00	$195,000.00	$195,000.00	$79,780.00	$79,780.00
1559.044	HVAC- LOCATION D	LS	1	$122,396.00	$122,396.00	$195,000.00	$195,000.00	$72,604.00	$72,604.00
1600.281	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION A	LS	1	$450,587.00	$450,587.00	$78,000.00	$78,000.00	($372,587.00)	($372,587.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1600.282	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION B	LS	1	$416,658.00	$416,658.00	$85,000.00	$85,000.00	($331,658.00)	($331,658.00)
1600.283	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION C	LS	1	$639,001.00	$639,001.00	$88,000.00	$88,000.00	($551,001.00)	($551,001.00)
1600.284	BASIC MATERAILS AND METHODS FOR ELECTRICAL WORK- LOCATION D	LS	1	$492,159.00	$492,159.00	$90,000.00	$90,000.00	($402,159.00)	($402,159.00)
1600.440	ELECTRICAL DEMOLITION	LS	1	$789,926.00	$789,926.00	$880,000.00	$880,000.00	$90,074.00	$90,074.00
1613.183	1/C→2000 KCMIL 2000V EPR XLPO CABLE	LF	1,340	$165.21	$221,381.40	$198.00	$265,320.00	$32.79	$43,938.60
1613.206	1/C, #4/0, 15 KV EPR CABLE	LF	1,530	$11.83	$18,099.90	$13.00	$19,890.00	$1.17	$1,790.10
1614.017	5" RIGID STEEL CONDUIT	LF	1,490	$100.99	$150,475.10	$106.00	$157,940.00	$5.01	$7,464.90
1614.018	4" CONDUIT	LF	370	$84.15	$31,135.50	$80.00	$29,600.00	($4.15)	($1,535.50)
1614.030	3/4" GRS EXPOSED CONDUIT	LF	11,880	$19.41	$230,590.80	$20.00	$237,600.00	$0.59	$7,009.20

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1614.040	1 - 1/2" GRS EXPOSED CONDUIT	LF	280	$28.20	$7,896.00	$36.00	$10,080.00	$7.80	$2,184.00
1620.046	DRY TYPE TRANSFORMER 45 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	3	$11,602.00	$34,806.00	$4,800.00	$14,400.00	($6,802.00)	($20,406.00)
1620.060	DRY TYPE TRANSFORMER 75 KVA/480 VOLT - 208 VOLT/120 VOLT	EA	1	$16,748.00	$16,748.00	$6,600.00	$6,600.00	($10,148.00)	($10,148.00)
1623.002	ELECTRICAL AC UNIT SUBSTATION - LOCATION A	LS	1	$164,267.00	$164,267.00	$345,000.00	$345,000.00	$180,733.00	$180,733.00
1623.003	ELECTRICAL AC UNIT SUBSTATION - LOCATION B	LS	1	$164,267.00	$164,267.00	$345,000.00	$345,000.00	$180,733.00	$180,733.00
1623.004	ELECTRICAL AC UNIT SUBSTATION - LOCATION C	LS	1	$164,267.00	$164,267.00	$345,000.00	$345,000.00	$180,733.00	$180,733.00
1623.005	ELECTRICAL AC UNIT SUBSTATION - LOCATION D	LS	1	$164,267.00	$164,267.00	$345,000.00	$345,000.00	$180,733.00	$180,733.00
1623.014	NEW DC SWITCHGEAR INSTALLED - LOCATION A	LS	1	$1,123,529.00	$1,123,529.00	$810,000.00	$810,000.00	($313,529.00)	($313,529.00)
1623.015	DC SWITCHGEAR INSTALLED - LOCATION B	LS	1	$1,123,529.00	$1,123,529.00	$810,000.00	$810,000.00	($313,529.00)	($313,529.00)

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1623.016	NEW DC SWITCHGEAR INSTALLED LOCATION C	LS	1	$1,797,347.00	$1,797,347.00	$1,550,000.00	$1,550,000.00	($247,347.00)	($247,347.00)
1623.017	NEW DC SWITCHGEAR INSTALLED - LOCATION D	LS	1	$1,140,211.00	$1,140,211.00	$1,065,000.00	$1,065,000.00	($75,211.00)	($75,211.00)
1623.025	MISC.NEW EQUIP.INSTAL,INCL. LOCAL CONT.PANELS, POS. AND NEG. BUSSES AND DIST.PANELS	LS	1	$130,615.00	$130,615.00	$395,000.00	$395,000.00	$264,385.00	$264,385.00
1623.026	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION A	LS	1	$1,174,651.00	$1,174,651.00	$1,055,000.00	$1,055,000.00	($119,651.00)	($119,651.00)
1623.027	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION B	LS	1	$1,159,877.00	$1,159,877.00	$1,055,000.00	$1,055,000.00	($104,877.00)	($104,877.00)
1623.028	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION C	LS	1	$1,267,832.00	$1,267,832.00	$1,150,000.00	$1,150,000.00	($117,832.00)	($117,832.00)
1623.029	UNIT 15 KV AC SWGR incl AUX EQUIPMENT→LOCATION D	LS	1	$1,197,466.00	$1,197,466.00	$1,050,000.00	$1,050,000.00	($147,466.00)	($147,466.00)
1625.145	NEW AC & DC BUS DUCTS INSTALLED - LOCATION A	LS	1	$561,083.00	$561,083.00	$535,000.00	$535,000.00	($26,083.00)	($26,083.00)
1625.146	NEW AC & DC BUS DUCTS INSTALLED - LOCATION B	LS	1	$561,083.00	$561,083.00	$545,000.00	$545,000.00	($16,083.00)	($16,083.00)

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1625.147	NEW AC & DC BUS DUCTS INSTALLED - LOCATION C	LS	1	$841,624.00	$841,624.00	$730,000.00	$730,000.00	($111,624.00)	($111,624.00)
1625.148	NEW AC & DC BUS DUCTS INSTALLED - LOCATION D	LS	1	$548,205.00	$548,205.00	$560,000.00	$560,000.00	$11,795.00	$11,795.00
1625.220	ELECTRICAL DRAINAGE AT SUBSTATION A	LS	1	$180,960.00	$180,960.00	$225,000.00	$225,000.00	$44,040.00	$44,040.00
1625.230	ELECTRICAL DRAINAGE AT SUBSTATION B	LS	1	$180,960.00	$180,960.00	$225,000.00	$225,000.00	$44,040.00	$44,040.00
1625.240	ELECTRICAL DRAINAGE AT SUBSTATION C	LS	1	$285,599.00	$285,599.00	$260,000.00	$260,000.00	($25,599.00)	($25,599.00)
1625.250	ELECTRICAL DRAINAGE AT SUBSTATION D	LS	1	$182,014.00	$182,014.00	$225,000.00	$225,000.00	$42,986.00	$42,986.00
1633.152	600 VOLT D.C., LIGHTING PANELBOARD, 12 CIRCUITS, FUSED	EA	4	$3,604.75	$14,419.00	$8,600.00	$34,400.00	$4,995.25	$19,981.00
1633.210	277/480V AC PANELBOARD A1	EA	4	$15,450.75	$61,803.00	$8,600.00	$34,400.00	($6,850.75)	($27,403.00)
1633.222	120/208V AC PANELBOARD L1	EA	4	$4,739.00	$18,956.00	$4,800.00	$19,200.00	$61.00	$244.00

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1633.288	30 AMP 600 VOLT AC 3 POLE 3 WIRE SAFETY SWITCH - NEMA 12 ENCLSURE	EA	6	$1,179.33	$7,075.98	$850.00	$5,100.00	($329.33)	($1,975.98)
1633.290	30 AMP. 250 VOLT A.C. 3 POLE 4 WIRE SAFETY SWITCH IN NEMA 12 ENCLOSURE	EA	4	$377.00	$1,508.00	$735.00	$2,940.00	$358.00	$1,432.00
1633.291	100 AMP, 3POLE, 480 VOLT, SAFETY SWITCH IN NEMA 3 ENCLOSURE	EA	4	$1,586.00	$6,344.00	$1,000.00	$4,000.00	($586.00)	($2,344.00)
1633.292	30 AMP, 3POLE, 480 VOLT, SAFTEY SWITCH IN NEMA 3R ENCLOSURE	EA	4	$1,175.75	$4,703.00	$800.00	$3,200.00	($375.75)	($1,503.00)
1633.310	60 AMP 480V AC 3POLE 4WIRE SAFETY SWITCH-NEMA 12 ENCL.	EA	8	$987.13	$7,897.04	$900.00	$7,200.00	($87.13)	($697.04)
1640.000	LIGHTING FIXTURES	LS	1	$5,701.00	$5,701.00	$92,000.00	$92,000.00	$86,299.00	$86,299.00
1643.002	LIGHTING SYSTEM, LOCATION 1	LS	1	$26,387.00	$26,387.00	$41,000.00	$41,000.00	$14,613.00	$14,613.00
1643.003	LIGHTING SYSTEM, LOCATION 2	LS	1	$25,245.00	$25,245.00	$40,000.00	$40,000.00	$14,755.00	$14,755.00
1643.004	LIGHTING SYSTEM, LOCATION 3	LS	1	$28,494.00	$28,494.00	$44,000.00	$44,000.00	$15,506.00	$15,506.00

Massachusetts Bay Transportation Authority

Capital Management System

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Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

Line Item	Description	Unit	Quantity	Engineer		Bidder		Variance	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1643.005	LIGHTING SYSTEM, LOCATION 4	LS	1	$28,849.00	$28,849.00	$48,000.00	$48,000.00	$19,151.00	$19,151.00
1645.000	GROUNDING SYSTEM - LOCATION A	LS	1	$6,045.00	$6,045.00	$10,000.00	$10,000.00	$3,955.00	$3,955.00
1645.001	GROUNDING SYSTEM - LOCATION B	LS	1	$6,045.00	$6,045.00	$10,000.00	$10,000.00	$3,955.00	$3,955.00
1645.002	GROUNDING SYSTEM - LOCATION C	LS	1	$11,447.00	$11,447.00	$9,000.00	$9,000.00	($2,447.00)	($2,447.00)
1645.003	GROUNDING SYSTEM - LOCATION D	LS	1	$6,078.00	$6,078.00	$9,000.00	$9,000.00	$2,922.00	$2,922.00
1656.151	FIRE ALARM SYSTEM, LOCATION 1	LS	1	$14,220.00	$14,220.00	$51,000.00	$51,000.00	$36,780.00	$36,780.00
1656.152	FIRE ALARM SYSTEM, LOCATION 2	LS	1	$4,559.00	$4,559.00	$27,000.00	$27,000.00	$22,441.00	$22,441.00
1656.153	FIRE ALARM SYSTEM, LOCATION 3	LS	1	$13,831.00	$13,831.00	$47,000.00	$47,000.00	$33,169.00	$33,169.00
1656.154	FIRE ALARM SYSTEM, LOCATION 4	LS	1	$15,085.00	$15,085.00	$44,000.00	$44,000.00	$28,915.00	$28,915.00

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ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1662.015	SYSTEM TESTING - LOCATION A	LS	1	$90,275.00	$90,275.00	$233,000.00	$233,000.00	$142,725.00	$142,725.00
1662.016	SYSTEM TESTING - LOCATION B	LS	1	$85,628.00	$85,628.00	$235,000.00	$235,000.00	$149,372.00	$149,372.00
1662.017	SYSTEM TESTING - LOCATION C	LS	1	$124,936.00	$124,936.00	$310,000.00	$310,000.00	$185,064.00	$185,064.00
1662.018	SYSTEM TESTING - LOCATION D	LS	1	$291,356.00	$291,356.00	$240,000.00	$240,000.00	($51,356.00)	($51,356.00)
1671.015	WIRE AND INSTALL STARTERS, MOTORS AND OTHER MECHANICAL EQUIPMENT	LS	1	$55,192.00	$55,192.00	$74,000.00	$74,000.00	$18,808.00	$18,808.00
1674.101	DRY TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	2	$273,015.50	$546,031.00	$605,000.00	$1,210,000.00	$331,984.50	$663,969.00
1674.102	OIL TYPE → 3000 KW RECTIFIER POWER TRANSFORMER	EA	7	$270,131.00	$1,890,917.00	$395,000.00	$2,765,000.00	$124,869.00	$874,083.00
1674.120	3000 KW SILICON RECTIFIER	EA	9	$243,544.44	$2,191,899.96	$190,400.00	$1,713,600.00	($53,144.44)	($478,299.96)
1690.005	SUBSTATION AUTOMATION LOCATION A	LS	1	$396,194.00	$396,194.00	$562,000.00	$562,000.00	$165,806.00	$165,806.00

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Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

				Engineer		Bidder		Variance	
Line Item	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**	**Unit Price**	**Total Price**
1690.006	SUBSTATION AUTOMATION LOCATION B	LS	1	$387,709.00	$387,709.00	$562,000.00	$562,000.00	$174,291.00	$174,291.00
1690.007	SUBSTATION AUTOMATION LOCATION C	LS	1	$470,497.00	$470,497.00	$562,000.00	$562,000.00	$91,503.00	$91,503.00
1690.008	SUBSTATION AUTOMATION LOCATION D	LS	1	$389,151.00	$389,151.00	$562,000.00	$562,000.00	$172,849.00	$172,849.00
1696.115	TRACTION POWER SWITCH ENCLOSURE - FURNISH & INSTALL	EA	32	$10,330.50	$330,576.00	$17,800.00	$569,600.00	$7,469.50	$239,024.00
6500.000	RISK ALLOWANCE	RA	1	$1,978,899.93	$1,978,899.93	$1,978,899.93	$1,978,899.93	$0.00	$0.00
	Total Estimate Contract Base Bid:				**$32,674,000.00**		**$39,168,738.93**		**$6,494,738.93**
	Contract Total - Base Bid and Alternates:				**$32,674,000.00**		**$39,168,738.93**		**$6,494,738.93**

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ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1873

Firm Name: J. F. White Contracting Co.

	Engineer	Bidder	Variance
Total Type Basic =	$32,674,000.00	$39,168,738.93	($6,494,738.93)
Contract Total - Base Bid and Alternates:	**$32,674,000.00**	**$39,168,738.93**	**($6,494,738.93)**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1434

Firm Name: Dagle Electrical Construction Corp.

	Engineer	Bidder	Variance
Total Type Basic =	$32,674,000.00	$36,519,586.93	($3,845,586.93)
Contract Total - Base Bid and Alternates:	**$32,674,000.00**	**$36,519,586.93**	**($3,845,586.93)**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 4202

Firm Name: Isolux Corsan, Llc.

	Engineer	Bidder	Variance
Total Type Basic =	$32,674,000.00	$31,851,522.79	$822,477.21
Contract Total - Base Bid and Alternates:	**$32,674,000.00**	**$31,851,522.79**	**$822,477.21**

Massachusetts Bay Transportation Authority

Capital Management System

Comparison of Bids

Bid Date: 09/17/2014

Contract **P42CN01**

ORANGE LINE SUBSTATIONS, TRACTION POWER STATION SERVICE AND BUILDING UPGRADES

Engineer: 2907

Firm Name: Stv Inc.

Bidder: 1628

Firm Name: Fischbach And Moore Electric

	Engineer	Bidder	Variance
Total Type Basic =	$32,674,000.00	$30,109,912.10	$2,564,087.90
Contract Total - Base Bid and Alternates:	**$32,674,000.00**	**$30,109,912.10**	**$2,564,087.90**